

## Technical Data Sheet

### *Icorene* PE 50 0863 8828 UVORE



High Density Polyethylene

#### Product Description

*Icorene* PE 50 0863 8828 UVORE is a Polyethylene, High Density material. Features include: Food Contact Acceptable, and High Density.

Attribute	Food Contact Acceptable; High Density
Forms	Pellets
Application	Non-specific Food Applications

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (190 °C/2.16 kg, Procedure A)	8.5	g/10 min	ASTM D1238
Density	0.963	g/cm <sup>3</sup>	ASTM D1505
<b>Mechanical</b>			
Tensile Strength at Yield	29.9	MPa	ASTM D638
Flexural Modulus, (Procedure B, Method I (3 point load))	1380	MPa	ASTM D790
Tensile Elongation at Break	1000	%	ASTM D638
<b>Impact</b>			
Ductile/Brittle Transition Temperature	-76.1	°C	ASTM D746
Tensile Impact Strength	101	kJ/m <sup>2</sup>	ASTM D1822
<b>Thermal</b>			
Vicat Softening Temperature	194	°C	ASTM D1525

## Notes

These are typical property values not to be construed as specification limits.

## Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

## Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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